HI-FI

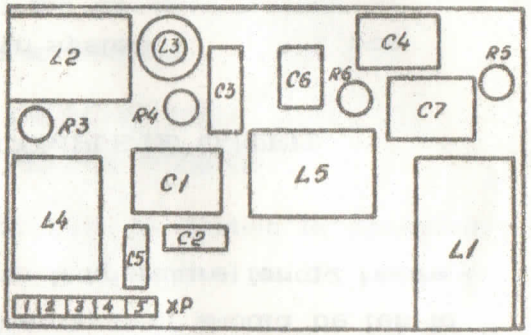
S-90

SPEAKER SYSTEM

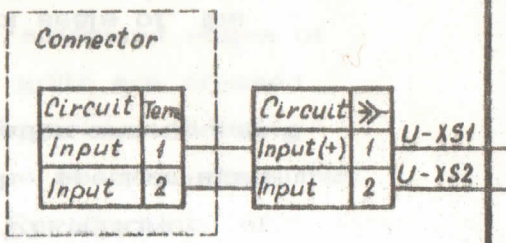
MADE IN USSR

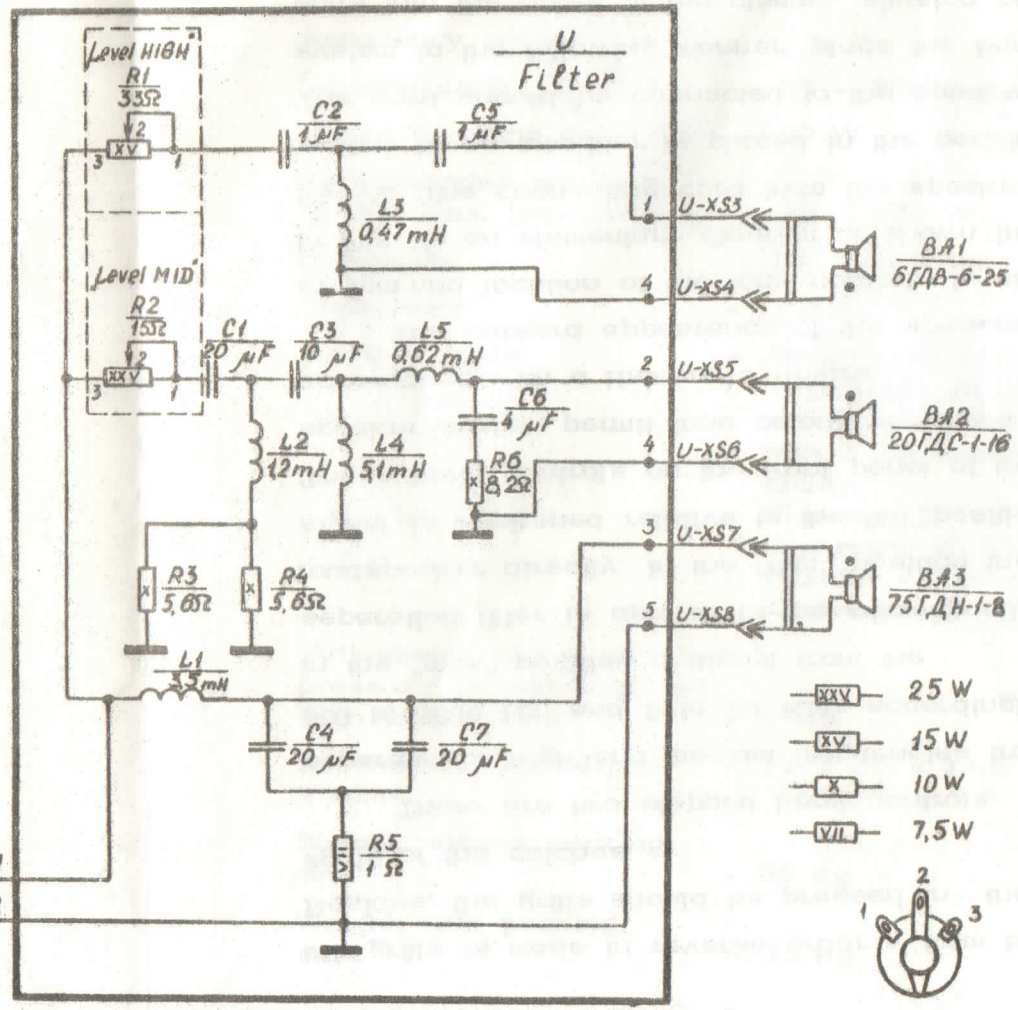
The „S-90" speaker system's elementary diagram

Filter, top view



Resistors		Capacitors	
C5-35B	R3...R6	МБГО-2	C1...C7
ППБ	R1, R2		





1. ATTENTION!

When buying the speaker system please test its operation and sound reproduction.

Attend to intact seals of the speaker system and to correct outfitting.

Please stydy carefully this instruction manual before any attempt is made to bring the unit into operation.

After being stored in cold premises or transported under cold-weather conditions, the speaker system should be left to warm up to room temperature for 12 hours before operating.

2. COMPLETE OUTFIT

2.1. Speaker system - 1 pce

2.2. Connecting cord - 1 pce

2.3. Instruction manual - 1 pce

2.4. Packing - 1 set

3. SAFETY MEASURES

It is prohibited:

a) to connect the speaker system to a broadcasting net or to mains supply;

b) to place the speaker system nearer than 1 m to heaters.

4. BRIEF DESCRIPTION AND SPECIFICATIONS

The "S-90" speaker system is designed for high fidelity reproduction of audio programs at home environment.

The speaker system has a removable decorative grille. The decorative grille is pulled off when listening Hi-Fi musical programs, working with maximum power and in order to have an access to the level controls (look below).

The decorative grille is pulled off in the following way; the advanced edges of the upper part of the grille are pressed from the sides by fingers, and being pulled out, the grille is separated from the speaker system. Re-attaching of

the grille is made in reverse order - from below. Besides, the grille should be pressed in the spots of the catches.

There are two stepped level controls separate for high and medium frequencies from 500 to 5000 Hz, and 5 to 20 KHz accordingly. In the "max" position a signal from the separation filter is applied to the corresponding loudspeaker directly. In the "min" position the signal is weakened relative to the "O" position. These level controls on the front panel of the speaker system permit tone colour varying in accordance with a listener's desire.

The outward appearance of the speaker system and location of the tone controls is shown in Fig. 1; an elementary diagram is shown in Fig. 2. The connecting cord from the speaker system to an amplifier is placed in the packing. The cord should be connected to the speaker system in the following manner: place the bare ends into the holes of the clamps, situated on the rear wall, and secure them with the clamping screw. The connecting cord lead, marked with a red, is joined to the "+" clamp.

Technical specifications

(The measurements were carried out according to the USSR standards)

Frequency range (at irregularity $^{+4}_{-8}$ dB)	- 25 - 25000 Hz
Power handling capacity	- 90 W
Recommended amplifier power, max. (per channel)	- 50 - 150 W
Sensitivity	- 86 dB/1W/1m
Impedance	- 8 Ω
Speaker units	- Woofer - Ø 25cm(10"), diaphragm- Ø 22 cm, soft linear suspension with 3 cm excursion ability. - Midrange- Ø 12,5cm(5"), diaphragm- Ø 10,5 cm - Tweeter - Ø 10 cm(4") diaphragm- Ø 2,6 cm
Adjustment of the sound pressure on midrange and high frequencies	- 6 dB
Dimensions (WxHxD)	- 71 x 36 x 28,5 cm
Volume	- 72 dm^3
Weight, without packing, max.	- 30 kg
Weight, with packing, max.	- 35 kg

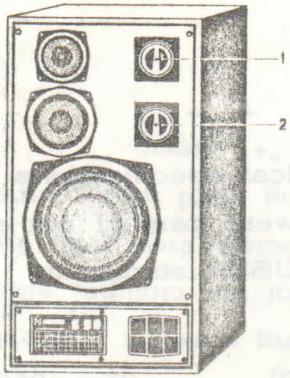


Fig. 1 The "S-90" speaker system s outward appearance(the decorative grille is removed)

1 - high frequency level control

2 - medium frequency level control

Certificate

The "S-90" speaker system No. 000321

conforms to technical conditions and specimen.

1. Date of issue 1987 10

2. Quality inspector

TK 2237

All your questions concerning the speaker system address to:

USSR, Moscow,
V/O "Technointorg"
Smolenskaya Ploshad 32/34

TENTO